1. (Original) An applicator for cutaneous delivery of a bioactive composition to a cutaneous target, comprising:

a jet dispenser comprising an orifice, and a container which holds and delivers the bioactive composition to said orifice for ejection therethrough; and

a spacer positioned between the dispenser orifice and the target during ejection of the bioactive composition to the target.

2. (Original) An applicator according to claim 1, wherein the spacer is supported by the dispenser.

3. (Currently Amended) An applicator according to claim 1, wherein the spacer is for attachment ~~attached~~ to the cutaneous target.

4. (Original) An applicator according to claim 1, further comprising an adhesive applicator patch for application to the cutaneous target.

5. (Original) An applicator according to claim 1, wherein the applicator is an applicator for transdermal delivery of a bioactive composition capable of transdermal flux.

6. (Original) An applicator according to claim 1, further comprising a bioactive composition in the container.

7. (Original) An applicator according to claim 6, wherein the bioactive composition is a pharmaceutical composition.

8. (Original) An applicator according to claim 7, wherein the pharmaceutical composition is capable of transdermal delivery.

9. (Original) An applicator according to claim 1, wherein the dispenser is a thermal droplet jet dispenser.

10. (Original) An applicator according to claim 1, wherein the dispenser is a piezoelectric droplet jet dispenser.

11. (Original) An applicator according to claim 1, further comprising a controller which automatically ejects the bioactive composition from the dispenser orifice at selected times.

12. (Original) An applicator according to claim 11, wherein the controller is a microprocessor programmed to dispense the bioactive composition at predetermined intervals.

13. (Original) An applicator according to claim 1, wherein the container comprises multiple container modules.

14. (Original) An applicator according to claim 13, wherein the multiple container modules are removable from the dispenser.

15. (Original) An applicator according to claim 13, wherein at least two of the container modules contain a bioactive substance.

16. (Original) An applicator according to claim 15, wherein at least one of the container modules contains a bioactive agent in powder form.

17. (Original) An applicator according to claim 15, wherein at least two of the container modules contain different bioactive substances that combine after ejection to produce a bioactive effect.

18. (Original) An applicator according to claim 17, wherein at least one of the bioactive substances is a penetration enhancer that improves cutaneous penetration of another bioactive substance.

19. (Original) An applicator according to claim 18, wherein the penetration enhancer is dimethyl sulfoxide (DMSO).

20. (Original) An applicator according to claim 15, wherein the bioactive composition is a nitrate, an anti-hypertensive drug, an analgesic, a hormone or an analogue thereof, or nicotine or an analogue thereof.

21. (Original) An applicator according to claim 20, wherein:

the dispenser is a piezoelectric droplet jet dispenser; and

the nitrate is nitroglycerin.

22. (Currently Amended) An applicator according to claim 20, wherein the anti-hypertensive drug is clonidine or minoxidil, the ~~analagesic~~ analgesic is fentanyl, or the

hormone is estrogen or testosterone.

23. (Currently Amended) An applicator according to claim 1, further comprising an attachment member for selectively retaining ~~that selectively retains~~ the dispenser in prolonged contact with the cutaneous target.

24. (Original) An applicator according to claim 23, wherein the attachment member comprises a strap.

25. (Original) An applicator according to claim 23, wherein the attachment member comprises an adhesive.

26. (Currently Amended) An applicator according to claim 1, wherein~~:~~

~~the cutaneous target comprises skin covering a subject; and~~

the spacer comprises a sealing member that selectively substantially seals the dispenser against the ~~skin~~ target to form a substantially closed chamber when the dispenser is in contact with the ~~skin~~ target.

27. (Original) An applicator according to claim 26, wherein the sealing member is a continuous elastomeric seal.

28. (Original) An applicator according to claim 1, further comprising an indicator which indicates a degree of depletion of the bioactive composition in the dispenser.

30. (Currently Amended) An applicator according to claim 1 ~~wherein:~~

~~the cutaneous target comprises skin covering a subject having a measurable parameter; and~~

~~the applicator further comprises:~~ further comprising:

a bio-sensor which monitors ~~said~~ a parameter of ~~the~~ a subject and generates a signal in response thereto; and

a controller which automatically dispenses the bioactive composition from the dispenser orifice in response to said signal.

31. (Original) An applicator according to claim 30 wherein the bio-sensor comprises a pulse oximetry device.

32. (Original) An applicator according to claim 31 wherein said parameter comprises pulse rate.

33. (Original) An applicator according to claim 31 wherein said parameter comprises blood oxygenation levels.

34. (Original) An applicator according to claim 31 wherein said bio-sensor communicates said signal to the controller by infrared communication.

35. (Original) An applicator according to claim 31 wherein said bio-sensor communicates said signal to the controller by radiowave communication.

36. (Original) An applicator according to claim 1, further comprising a display which displays information about said composition.

37. (Original) An applicator according to claim 1, further comprising an interface which receives a memory storage device containing dosage information concerning administration of said composition.

38. (Original) An applicator according to claim 1, further comprising a keypad input which receives dosage information concerning administration of said composition.

39. (Original) An applicator according to claim 1, further comprising:

a display which displays information about said composition, including various dosages; and

a keypad input including scroll keys which when activated cause the display to selectively show said various dosages.

40. (Original) An applicator according to claim 1, further comprising a controller which is programmable.

41. (Original) An applicator according to claim 40, wherein said controller is programmable from a remote computer in communication with said controller.

42. (Original) An applicator according to claim 1, further comprising:

a main body which supports said container; and

a dispensing head which supports said orifice.

43. (Original) An applicator according to claim 42, wherein said dispensing head

supports plural orifices each fluidically coupled to said container.

44. (Original) An applicator according to claim 42, further comprising a flexible link which couples together said main body and said dispensing head.

45. (Original) An applicator according to claim 43, wherein said flexible link is hollow and contains a fluid conduit which fluidically couples said container to said orifice.

46. (Original) An applicator according to claim 1, further comprising a main body which supports said container and said orifice.

47. (Original) An applicator according to claim 46, wherein said container is removable from the main body.

48. (Original) An applicator according to claim 1, further comprising a sensor.

49. (Original) An applicator according to claim 48, further comprising a controller in communication with said sensor.

50. (Original) An applicator according to claim 49, wherein:

said sensor comprises an optical sensor;

said target changes color following delivery of the bioactive composition; and

said optical sensor detects said color change and in response thereto, the controller ceases ejection of said composition.

51. (Original) An applicator according to claim 49, wherein:

said sensor comprises an optical sensor;

said target changes color following absorption of the bioactive composition; and

said optical sensor detects said color change and in response thereto, the controller causes said orifice to eject said composition.

52. (Original) An applicator according to claim 49, wherein:

said sensor comprises an optical sensor;

the container comprises two container modules each containing different bioactive substances;

the target has indicia detectable by said optical sensor indicative of one of said different bioactive substances; and

the controller causes said orifice to eject said one of said different bioactive substances.

53. (Original) An applicator according to claim 1, further comprising a dermal patch between said orifice and said target.

54. (Original) An applicator according to claim 53, wherein the dermal patch is of an absorbent material which receives said delivery of said composition.

Claims 55-100 (Cancelled).

101. (Original) An applicator according to claim 1, wherein the dispenser comprises a silicon electrostatic actuated droplet jet dispenser.